

ABSTRACT

A device for the precise distribution of items such as tablets. This device can include a base, a container, a plurality of distribution channels and a plurality of springs disposed adjacent to the distribution channels. The device can also include a plurality of push pins and cams for driving the push pins up. The base includes a wheel which contains the distribution channels. The springs are coupled to the wheel adjacent to the distribution channels. These springs are controlled by the push pins which drive against the springs to push the springs away from the distribution channels. The cams trigger the movement of the push pins at particular locations on the base so that as the wheel rotates, the push pins cross over the cams wherein the cams drive the push pins up allowing a tablet to simultaneously enter and leave the distribution channel. This movement of the wheel allows precise distribution of tablets out of the device and into receiving systems.